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RAW SEQUENCE LISTING      DATE: 04/15/2003
PATENT APPLICATION:   US/09/701,243A     TIME: 14:01:41

Input Set : **A:\09701243.txt**
Output Set: **N:\CRF4\04152003\I701243A.raw**

```
 3 <110> APPLICANT: MOUGIN, Bruno
 4         LAAYOUN, Ali
 6 <120> TITLE OF INVENTION: METHOD FOR AMPLIFYING AT LEAST ONE SPECIFIC NUCLEOTIDE
SEQUENCE, AND
 7         PRIMERS USED
 9 <130> FILE REFERENCE: 107976
11 <140> CURRENT APPLICATION NUMBER: US 09/701,243A
12 <141> CURRENT FILING DATE: 2000-12-28
14 <150> PRIOR APPLICATION NUMBER: PCT/FR99/01247
15 <151> PRIOR FILING DATE: 1999-05-27
17 <150> PRIOR APPLICATION NUMBER: FR 98/06866
18 <151> PRIOR FILING DATE: 1998-05-27
20 <160> NUMBER OF SEQ ID NOS: 29
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 23
26 <212> TYPE: DNA
27 <213> ORGANISM: artificial sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Blocking primer
32 <400> SEQUENCE: 1
33 atccttcgtg tccccacagc acg                                  23
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 19
38 <212> TYPE: DNA
39 <213> ORGANISM: artificial sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Blocking primer
44 <400> SEQUENCE: 2
45 tcgccgctgc actgtgaag                                        19
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 24
50 <212> TYPE: DNA
51 <213> ORGANISM: artificial sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Blocking primer
56 <220> FEATURE:
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W-->    57   **<221> NAME/KEY: particular characteristic**
```
58 <222> LOCATION: (24)..(24)
59 <223> OTHER INFORMATION: modification by the C6-NH2 group
62 <400> SEQUENCE: 3
63 cccccccagca cgtttcttgg agct                                24
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 24
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/701,243A

Input Set : A:\09701243.txt
Output Set: N:\CRF4\04152003\I701243A.raw

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        68 <212> TYPE: DNA
        69 <213> ORGANISM: artificial sequence
        71 <220> FEATURE:
        72 <223> OTHER INFORMATION: Blocking primer
        74 <220> FEATURE:
W-->    75 <221> NAME/KEY: particular characteristic
        76 <222> LOCATION: (1)..(1)
        77 <223> OTHER INFORMATION: modification by the acridine group
        80 <220> FEATURE:
W-->    81 <221> NAME/KEY: particular characteristic
        82 <222> LOCATION: (24)..(24)
        83 <223> OTHER INFORMATION: modification by H
        86 <400> SEQUENCE: 4
        87 ccccccagca cgtttcttgg agct                               24
        90 <210> SEQ ID NO: 5
        91 <211> LENGTH: 26
        92 <212> TYPE: DNA
        93 <213> ORGANISM: artificial sequence
        95 <220> FEATURE:
        96 <223> OTHER INFORMATION: Blocking primer
        98 <220> FEATURE:
        99 <221> NAME/KEY: misc_feature
       100 <222> LOCATION: (24)..(24)
       101 <223> OTHER INFORMATION: n = inosine
       104 <220> FEATURE:
W-->   105 <221> NAME/KEY: particular characteristic
       106 <222> LOCATION: (26)..(26)
       107 <223> OTHER INFORMATION: modification by the C6-NH2 group
       110 <400> SEQUENCE: 5
W-->   111 cccacagcac gtttcttgga gcangc                             26
       114 <210> SEQ ID NO: 6
       115 <211> LENGTH: 21
       116 <212> TYPE: DNA
       117 <213> ORGANISM: artificial sequence
       119 <220> FEATURE:
       120 <223> OTHER INFORMATION: Blocking primer
       122 <400> SEQUENCE: 6
       123 cccagcacgt ttcttggagc t                                  21
       126 <210> SEQ ID NO: 7
       127 <211> LENGTH: 24
       128 <212> TYPE: DNA
       129 <213> ORGANISM: artificial sequence
       131 <220> FEATURE:
       132 <223> OTHER INFORMATION: Blocking primer
       134 <400> SEQUENCE: 7
       135 ccccccagca cgtttcttgg agct                               24
       138 <210> SEQ ID NO: 8
       139 <211> LENGTH: 24
       140 <212> TYPE: DNA
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RAW SEQUENCE LISTING                      DATE: 04/15/2003
PATENT APPLICATION:   US/09/701,243A      TIME: 14:01:41

Input Set : A:\09701243.txt
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```
    141 <213> ORGANISM: artificial sequence
    143 <220> FEATURE:
    144 <223> OTHER INFORMATION: Blocking primer
    146 <220> FEATURE:
    147 <221> NAME/KEY: misc_feature
    148 <222> LOCATION: (23)..(23)
    149 <223> OTHER INFORMATION: n = inosine
    152 <400> SEQUENCE: 8
W--> 153 cccccagca cgtttcttgg agnt                                    24
    156 <210> SEQ ID NO: 9
    157 <211> LENGTH: 24
    158 <212> TYPE: DNA
    159 <213> ORGANISM: artificial sequence
    161 <220> FEATURE:
    162 <223> OTHER INFORMATION: Blocking primer
    164 <220> FEATURE:
    165 <221> NAME/KEY: misc_feature
    166 <222> LOCATION: (22)..(22)
    167 <223> OTHER INFORMATION: n = inosine
    170 <220> FEATURE:
    171 <221> NAME/KEY: misc_feature
    172 <222> LOCATION: (23)..(23)
    173 <223> OTHER INFORMATION: n = inosine
    176 <400> SEQUENCE: 9
W--> 177 catttcctca atgggacgga gnna                                   24
    180 <210> SEQ ID NO: 10
    181 <211> LENGTH: 26
    182 <212> TYPE: DNA
    183 <213> ORGANISM: artificial sequence
    185 <220> FEATURE:
    186 <223> OTHER INFORMATION: Blocking primer
    188 <220> FEATURE:
    189 <221> NAME/KEY: misc_feature
    190 <222> LOCATION: (24)..(24)
    191 <223> OTHER INFORMATION: n = inosine
    194 <400> SEQUENCE: 10
W--> 195 cccccagcac gtttcttgga gcangc                                 26
    198 <210> SEQ ID NO: 11
    199 <211> LENGTH: 26
    200 <212> TYPE: DNA
    201 <213> ORGANISM: artificial sequence
    203 <220> FEATURE:
    204 <223> OTHER INFORMATION: Blocking primer
    206 <220> FEATURE:
    207 <221> NAME/KEY: misc_feature
    208 <222> LOCATION: (24)..(24)
    209 <223> OTHER INFORMATION: n = inosine
    212 <400> SEQUENCE: 11
W--> 213 cccacagcac gtttcttgga gcangc                                 26
```

RAW SEQUENCE LISTING            DATE: 04/15/2003
PATENT APPLICATION:  US/09/701,243A     TIME: 14:01:41

Input Set : A:\09701243.txt
Output Set: N:\CRF4\04152003\I701243A.raw

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216 <210> SEQ ID NO: 12
217 <211> LENGTH: 19
218 <212> TYPE: DNA
219 <213> ORGANISM: artificial sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Blocking primer
224 <400> SEQUENCE: 12
225 cacgtttctt gcagcagga                                        19
228 <210> SEQ ID NO: 13
229 <211> LENGTH: 22
230 <212> TYPE: DNA
231 <213> ORGANISM: artificial sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Blocking primer
236 <400> SEQUENCE: 13
237 cagcacgttt cttgcagcag ga                                    22
240 <210> SEQ ID NO: 14
241 <211> LENGTH: 19
242 <212> TYPE: DNA
243 <213> ORGANISM: artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Blocking primer
248 <220> FEATURE:
249 <221> NAME/KEY: misc_feature
250 <222> LOCATION: (3)..(3)
251 <223> OTHER INFORMATION: n = inosine
254 <400> SEQUENCE: 14
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W--> **255 cangtttctt gcagcagga**                                19
```
258 <210> SEQ ID NO: 15
259 <211> LENGTH: 22
260 <212> TYPE: DNA
261 <213> ORGANISM: artificial sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Blocking primer
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (6)..(6)
269 <223> OTHER INFORMATION: n = inosine
272 <400> SEQUENCE: 15
```
W--> **273 cagcangttt cttgcagcag ga**                            22
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276 <210> SEQ ID NO: 16
277 <211> LENGTH: 26
278 <212> TYPE: DNA
279 <213> ORGANISM: artificial sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Blocking primer
284 <220> FEATURE:
285 <221> NAME/KEY: misc_feature
286 <222> LOCATION: (10)..(10)
```

**RAW SEQUENCE LISTING**                          DATE: 04/15/2003
PATENT APPLICATION:  US/09/701,243A      TIME: 14:01:41

          Input Set : A:\09701243.txt
          Output Set: N:\CRF4\04152003\I701243A.raw

```
      287 <223> OTHER INFORMATION: n = inosine
      290 <400> SEQUENCE: 16
W--> 291 ccccccagcan gtttcttgca gcagga                          26
      294 <210> SEQ ID NO: 17
      295 <211> LENGTH: 26
      296 <212> TYPE: DNA
      297 <213> ORGANISM: artificial sequence
      299 <220> FEATURE:
      300 <223> OTHER INFORMATION: Blocking primer
      302 <220> FEATURE:
      303 <221> NAME/KEY: misc_feature
      304 <222> LOCATION: (10)..(10)
      305 <223> OTHER INFORMATION: n = inosine
      308 <400> SEQUENCE: 17
W--> 309 cccacagcan gtttcttgca gcagga                           26
      312 <210> SEQ ID NO: 18
      313 <211> LENGTH: 26
      314 <212> TYPE: DNA
      315 <213> ORGANISM: artificial sequence
      317 <220> FEATURE:
      318 <223> OTHER INFORMATION: Blocking primer
      320 <220> FEATURE:
      321 <221> NAME/KEY: misc_feature
      322 <222> LOCATION: (10)..(10)
      323 <223> OTHER INFORMATION: n = inosine
      326 <220> FEATURE:
      327 <221> NAME/KEY: misc_feature
      328 <222> LOCATION: (25)..(25)
      329 <223> OTHER INFORMATION: n = inosine
      332 <400> SEQUENCE: 18
W--> 333 cccacagcan gtttcttgca gcagna                           26
      336 <210> SEQ ID NO: 19
      337 <211> LENGTH: 26
      338 <212> TYPE: DNA
      339 <213> ORGANISM: artificial sequence
      341 <220> FEATURE:
      342 <223> OTHER INFORMATION: Blocking primer
      344 <220> FEATURE:
      345 <221> NAME/KEY: misc_feature
      346 <222> LOCATION: (10)..(10)
      347 <223> OTHER INFORMATION: n = inosine
      350 <220> FEATURE:
      351 <221> NAME/KEY: misc_feature
      352 <222> LOCATION: (25)..(25)
      353 <223> OTHER INFORMATION: n = inosine
      356 <400> SEQUENCE: 19
W--> 357 ccccccagcan gtttcttgca gcagna                          26
      360 <210> SEQ ID NO: 20
      361 <211> LENGTH: 33
```

RAW SEQUENCE LISTING ERROR SUMMARY    DATE: 04/15/2003
PATENT APPLICATION:  US/09/701,243A    TIME: 14:01:42

Input Set : A:\09701243.txt
Output Set: N:\CRF4\04152003\I701243A.raw

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 24
Seq#:8; N Pos. 23
Seq#:9; N Pos. 22,23
Seq#:10; N Pos. 24
Seq#:11; N Pos. 24
Seq#:14; N Pos. 3
Seq#:15; N Pos. 6
Seq#:16; N Pos. 10
Seq#:17; N Pos. 10
Seq#:18; N Pos. 10,25
Seq#:19; N Pos. 10,25

**VERIFICATION SUMMARY**
PATENT APPLICATION:  **US/09/701,243A**

DATE: 04/15/2003
TIME: 14:01:42

Input Set : **A:\09701243.txt**
Output Set: **N:\CRF4\04152003\I701243A.raw**

```
L:57  M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:75  M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:81  M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:105 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
```